

REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Upon entry of this amendment, claims 1, 5–12 and 18–28, and 30 will be pending. By this amendment, claims 1, 5–12 and 18–21, and 25–28 have been amended; claims 2–4, 13–17, and 29 have been canceled; and claim 30 has been added. No new matter has been added.

Objection to the Drawings

In Section 1 of the Office Action, the Drawings were objected to under 37 CFR 1.83(a). The Office Action stated that the “terminal interface” and “terminal command interface” must be shown or the features canceled from the claims. A “terminal interface” and “terminal command interface” were included by claims 14–17. Claims 14–17 have been canceled by this amendment. It is therefore respectfully requested that the objection to the Drawings be withdrawn.

Objection to the Specification

In Section 2 of the Office Action, the Specification was objected to because of informalities. The Office Action stated that the Specification did not provide any support for “said terminal unit further comprises: a terminal command interface” and “terminal user interface” as disclosed in claims 14–17. Claims 14–17 have been canceled by this amendment. It is therefore respectfully requested that the objection to the Specification be withdrawn.

§102 Rejection of Claims 14–17

In Section 4 of the Office Action, claims 14–17 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement.

Claims 14–17 have been canceled by this amendment. It is respectfully submitted that the rejection of claims 14–17 under 35 U.S.C. § 112, first paragraph, has therefore been overcome.

§102 Rejection of Claims 1, 3–6, 9–13 and 18–25

In Section 6 of the Office Action, claims 1, 3–6, 9–13 and 18–25 stand rejected under 35 U.S.C. §102(b) as being anticipated by Bishop *et al.* (International Publication No. WO 99/49682; hereinafter referred to as “Bishop”).

In the Background section of the Specification, it was disclosed that “[a] wireless local loop phone is used to communicate with a wireless cellular or PCS network. Typically, a wireless local loop phone includes a handset connected to a terminal unit.” *Specification, page 1, lines 11 to 13.* (emphasis added) To allow carriers to provide customers with improved wireless local loop services, “[t]he present invention provides systems and methods for implementing a wireless local loop phone that operates *connected to or disconnected from* a terminal unit.” *Specification, page 2, lines 21 to 22.* (emphasis added)

“In one ... implementation, a wireless carrier or provider provides [both] wireless local loop service [and] mobile wireless service.” *Specification, page 3, lines 12 to 14.* “For a customer using fixed wireless local loop service, the wireless carrier sells a wireless local loop phone [attached] to a terminal unit by a power connector cable [which] is not removable by the end consumer. For a customer using a mobile wireless service, the wireless carrier sells [the

same] wireless local loop phone [but instead] with a battery [and] without a terminal unit. For both types of customers, the wireless local loop phone communicates with the same wireless network. When a customer wants to upgrade from fixed wireless local loop service to mobile wireless service, the customer brings the wireless local loop phone and connected terminal unit to the wireless carrier [and the] wireless carrier [detaches] the power connector cable ... and [attaches] a battery in place of the cable.” *Specification, page 3, lines 16 to 27.* (emphasis added) “[A] wireless carrier [may therefore build] the same phone handset for two different types of services and customers,” resulting in “a desirable savings in manufacturing cost” and obviating “the need to replace consumer hardware when the user decides to change the type of service.” *Specification, page 3, lines 28 to 33.*

Embodiments of the present invention therefore provide systems and methods which address the improvements stated above. For example, system claim 18 as presented herein includes:

A *method of converting a handset from operating in a fixed wireless local loop phone service mode to operating in a mobile wireless phone service mode*, the method comprising:

attaching with a power connector cable said handset to a terminal unit,

wherein said power connector cable connects to a multi-format power connection interface of said handset to provide power to said handset;

operating said handset in a fixed wireless local loop phone service mode using said power provided through said power connector cable;

detaching said handset from said terminal unit by disconnecting said power connector cable from said

multi-format power connection interface of said handset;

connecting a battery to said multi-format power connection interface of said handset; and

operating said handset in a mobile wireless phone service mode using power provided by said battery.

Accordingly, one aspect of claim 18 includes at least attaching with a power connector cable a handset to a terminal unit; operating the handset in a fixed wireless local loop phone service mode using power provided through the power connector cable; detaching the handset from the terminal unit by disconnecting the power connector cable from the multi-format power connection interface of the handset; connecting a battery to the multi-format power connection interface of the handset; and then operating the handset in a mobile wireless phone service mode using power provided by the battery. “[T]he handset 100 places and receives calls through the wireless network as a wireless local loop phone or wireless mobile phone depending on the connection or disconnection to the terminal unit.” *Specification, page 5, line 33 to page 6, line 1.* (emphasis added)

In contrast, Bishop does not teach or suggest methods in which attaching a handset to a terminal unit with a power connection cable and receiving power through the cable allows fixed wireless local loop phone mode of service, whereas detaching the handset and connecting a battery and receiving power from the battery allows a wireless mobile phone mode of service. Bishop seems to disclose instead that a mobile telephone receives and transmits modulated signals used by a mobile communications network and that the telephone can be docked with a docking unit that provides a charging interface. Because Bishop does not disclose the limitations discussed above, Bishop therefore fails to address all the limitations of claim 18.

Based on the foregoing discussion, claim 18 should therefore be allowable over Bishop. Since independent claims 1 and 25 parallel claim 18 and recite similar limitations as recited therein, claims 1 and 25 should also be allowable over Bishop. Further, since claims 5–6 and 9–12, and 19–24 depend from claims 1 and 18, claims 5–6, 9–12, and 19–24 should also be allowable over Bishop. Claims 3–4 and 13 have been canceled by this amendment.

Accordingly, it is respectfully submitted that the rejection of claims 1, 3–6, 9–13 and 18–25 based upon 35 U.S.C. §102(b) has been overcome by the present remarks and withdrawal thereof is requested.

§103 Rejection of Claims 7 and 8

In Section 8 of the Office Action, claims 7 and 8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Bishop in view of Bryson (U.S. Patent Appl. 2005/0037810).

Based on the foregoing discussion regarding independent claim 1, and since claim 7 depends from claim 1, and claim 8 depends from claim 7, claims 7 and 8 should also be allowable over Bishop. Moreover, Bryson was cited merely for disclosing a telephone comprising a data communications module that includes a command interface module. Therefore, since claims 7 and 8 should be allowable over Bishop as discussed above, Bishop and Bryson, individually or in combination, fail to teach or suggest all the limitations of claims 7 and 8.

Accordingly, it is submitted that the rejection of claims 7 and 8 based upon 35 U.S.C. §103(a) have been overcome by the present remarks and withdrawal thereof is respectfully requested.

§103 Rejection of Claims 2 and 29

In Section 9 of the Office Action, claims 2 and 29 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Bishop in view of Inubushi *et al.* (U.S. Patent No. 5,548,824; hereinafter referred to as “Inubushi”).

Claims 2 and 29 have been canceled by this amendment. The rejection of claims 2 and 29 based upon 35 U.S.C. §103(a) should therefore be overcome.

§103 Rejection of Claims 26–28

In Section 10 of the Office Action, claims 26–28 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Bishop in view of Nagata (U.S. Patent No. 6,628,966).

Based on the foregoing discussion regarding independent claims 1, 18 and 25, and because independent claim 26 parallels claims 1, 18 and 25 and recites similar limitations as recited therein, claim 26 should also be allowable over Bishop. Further, Nagata was cited merely for disclosing a portable digital telephone provided with an external connector and a battery. Therefore, since claim 26 should be allowable over Bishop as discussed above, Bishop and Nagata, individually or in combination, fail to teach or suggest all the limitations of claim 26. Based on the discussion regarding independent claim 26, and since claims 27–28 depend from claim 26, claims 27–28 should also be allowable over Bishop.

Accordingly, it is submitted that the rejection of claims 26–28 based upon 35 U.S.C. §103(a) have been overcome by the present remarks and withdrawal thereof is respectfully requested.

New Claim 30

Claim 30 is newly presented by this amendment, and recites limitations similar to those recited in independent claim 18. Based on the foregoing discussions regarding claim 18, claim 30 should therefore also be allowable over the cited prior art reference.

Conclusion

In view of the foregoing, entry of this amendment and the allowance of this application with claims 1, 5–12, 18–28 and 30 are respectfully solicited.

With regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes that have been made to these claims were not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes were made simply for clarification and to round out the scope of protection to which Applicant is entitled.

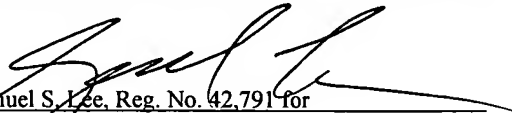
In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicant's representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Respectfully submitted,

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